

580-1
Q1

1. (AMENDED) A distributed antenna array comprising:
a plurality of antenna elements, and
a plurality of power amplifiers, each power amplifier being operatively coupled with one of said antenna elements and mounted closely adjacent to the associated antenna element, such that no appreciable power loss occurs between the power amplifier and the associated antenna element;
each said power amplifier comprising a relatively low power, linear power amplifier.

Q2

3. (AMENDED) The antenna array of claim 1 wherein each antenna element is a monopole.

Q3

12. (AMENDED) An antenna system installation comprising a tower/support structure, and an antenna structure mounted on said tower/support structure, said antenna structure comprising:
a plurality of antenna elements; and
a plurality of power amplifiers, each power amplifier being operatively coupled with one of said antenna elements and mounted closely adjacent to the associated antenna element, such that no appreciable power loss occurs between the power amplifier and the associated antenna element;
each said power amplifier comprising a relatively low power, linear power amplifier.

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19. (AMENDED) The installation of claim 18 and further including:

a DC bias tee mounted operatively coupled with said antenna structure; a coaxial line operatively coupled with said DC bias tee and running to a second DC bias tee, said second DC bias tee being operatively coupled to a DC supply and an RF input/output from a transmitter/receiver.